CLAIMS

What is claimed is:

1. A method of operating a mobile network device, comprising:

detecting a speed of the mobile network device;

ascertaining one or more values of one or more operating characteristics of one or more interfaces of the mobile network device, the one or more values corresponding to the speed of the mobile network device; and

selecting one of the interfaces having a desired set of values of the operating characteristics at the speed of the mobile network device.

2. The method as recited in claim 1, further comprising:

applying the set of values of the operating characteristics to the selected interface of the mobile network device.

3. The method as recited in claim 1, further comprising:

registering with a Home Agent via the selected interface.

4. The method as recited in claim 3, further comprising:

transmitting one or more packets via the selected interface.

5. The method as recited in claim 3, further comprising:

receiving one or more packets from the Home Agent via the selected interface.

6. The method as recited in claim 1, further comprising:

transmitting one or more packets via the selected interface.

7. The method as recited in claim 1, further comprising:

receiving one or more packets from a Home Agent via the selected interface.

8. The method as recited in claim 1, wherein detecting a speed of the mobile network device is performed by a GPS.

9. The method as recited in claim 1, wherein the mobile network device is a Mobile Router.

10. The method as recited in claim 1, wherein the operating characteristics include at least one of bandwidth, quality of service, and percentage or fraction of the bandwidth allocated to one or more types of traffic.

11. The method as recited in claim 10, wherein the one or more types of traffic include voice traffic.

12. The method as recited in claim 1, wherein ascertaining one or more values of one or more operating characteristics of one or more interfaces of the mobile network device comprises:

ascertaining the values from a profile indicating one or more values of the one or more operating characteristics of the one or more interfaces of the mobile network device at one or more speeds at which the mobile network device is capable of operating.

13. The method as recited in claim 12, wherein the values of the one or more operating characteristics of the one or more interfaces correspond to values of the one or more operating characteristics of one or more devices to which the interfaces are to connect.

14. The method as recited in claim 13, wherein the devices are wireless devices.

15. The method as recited in claim 12, wherein the values of the one or more operating characteristics of one of the interfaces corresponds to values of the one or more operating characteristics of a device to which the interface is to connect.

16. The method as recited in claim 15, wherein the device is a wireless device.

17. The method as recited in claim 16, wherein the device is an Access Point.

18. The method as recited in claim 12, wherein the one or more speeds include a first speed at which the mobile network device is non-mobile and one or more additional

speeds at which the mobile network device is capable of operating while traveling.

19. The method as recited in claim 12, wherein the one or more operating characteristics include at least one of bandwidth, quality of service, and percentage or fraction of the bandwidth allocated to one or more types of traffic.

20. The method as recited in claim 19, wherein the one or more types of traffic include at least one of voice traffic and video traffic.

21. The method as recited in claim 12, wherein the profile includes one or more values of the one or more operating characteristics of the one or more interfaces of the mobile network device at a plurality of sets of speeds, each of the sets of speeds including one or more speeds at which the mobile network device is capable of operating.

22. The method as recited in claim 21, wherein one of the plurality of sets of speeds includes a first set at which the mobile network device is non-mobile and one or more additional sets at which the mobile network device is capable of operating while traveling.

23. The method as recited in claim 12, further comprising

configuring the mobile network device with the profile, the profile indicating one or more values of the one or more operating characteristics of the one or more interfaces of the mobile network device in relation to one or more speeds at which

the mobile network device is capable of operating.

24. The method as recited in claim 23, wherein the one or more speeds includes a first speed at which the mobile network device is non-mobile and one or more additional speeds at which the mobile network device is capable of operating while traveling.

25. The method as recited in claim 23, wherein the one or more operating characteristics include at least one of bandwidth, quality of service method, and percentage or fraction of the bandwidth allocated to one or more types of traffic.

26. The method as recited in claim 25, wherein the one or more types of traffic include voice traffic.

27. The method as recited in claim 23, further comprising:

modifying one or more of the values of one or more of the operating characteristics of one or more of the interfaces of the mobile network device that are present at one or more speeds of the mobile network device.

28. The method as recited in claim 23, wherein configuring comprises:

setting the values of the operating characteristics of one of the interfaces of the mobile network device such that the values correspond to operating characteristics of a device to which the interface of the mobile network device is connected.

29. A method of operating a mobile network device, comprising:

detecting a speed of the mobile network device;

ascertaining one or more values of one or more operating characteristics of an interface of the mobile network device, the one or more values corresponding to the speed of the mobile network device; and

applying the values of the operating characteristics to the interface of the mobile network device.

30. The method as recited in claim 29, wherein the operating characteristics include at least one of bandwidth, quality of service method, and percentage or fraction of the bandwidth allocated to one or more types of traffic.

31. The method as recited in claim 30, wherein the types of traffic includes at least one of video and voice traffic.

32. The method as recited in claim 29, wherein the mobile network device is a Mobile Router.

33. A computer-readable medium storing thereon computer-readable instructions for operating a mobile network device, comprising:

instructions for detecting a speed of the mobile network device;

instructions for ascertaining one or more values of one or more operating characteristics of one or more interfaces of the mobile network device, the one or more values corresponding to the speed of the mobile network device; and

instructions for selecting one of the interfaces having a desired set of values of the operating characteristics at the speed of the mobile network device.

34. An apparatus for operating a mobile network device, comprising:

means for detecting a speed of the mobile network device;

means for ascertaining one or more values of one or more operating characteristics of one or more interfaces of the mobile network device, the one or more values corresponding to the speed of the mobile network device; and

means for selecting one of the interfaces having a desired set of values of the operating characteristics at the speed of the mobile network device.

35. An apparatus for operating a mobile network device, comprising:

a processor; and

a memory, at least one of the processor and the memory being adapted for:

detecting a speed of the mobile network device;

ascertaining one or more values of one or more operating characteristics of one or more interfaces of the mobile network device, the one or more values corresponding to the speed of the mobile network device; and

selecting one of the interfaces having a desired set of values of the operating characteristics at the speed of the mobile network device.

36. A computer-readable medium storing thereon computer-readable instructions for operating a mobile network device, comprising:

instructions for detecting a speed of the mobile network device;

instructions for ascertaining one or more values of one or more operating characteristics of an interface of the mobile network device, the one or more values corresponding to the speed of the mobile network device; and

instructions for applying the values of the operating characteristics to the interface of the mobile network device.

37. An apparatus for operating a mobile network device, comprising:

means for detecting a speed of the mobile network device;

means for ascertaining one or more values of one or more operating characteristics of an interface of the mobile network device, the one or more values corresponding to the speed of the mobile network device; and

means for applying the values of the operating characteristics to the interface of the mobile network device.

38. An apparatus for operating a mobile network device, comprising:

a processor; and

a memory, at least one of the processor and the memory being adapted for:

detecting a speed of the mobile network device;

ascertaining one or more values of one or more operating characteristics of an interface of the mobile network device, the one or more values corresponding to the speed of the mobile network device; and

applying the values of the operating characteristics to the interface of the

mobile network device.